Audio Alarm Verification (AAV) Unit

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UL The Audio Alarm Verification (AAV) feature is not UL Listed.

General Information

An Audio Alarm Verification (AAV) Module (also known as two-way voice), such as the Eagle 1241, is an add-on accessory that permits voice dialog between an operator at a central station and a person at the alarm installation, for the purpose of alarm verification. This feature is supported only if Alarm reports are programmed to be sent to the primary phone number.

Make connections from Eagle 1241 Module terminals 7 and 8 to the control's zone 5 terminals 22 and 23. The purpose of this connection is to silence and restore the sounders at the premises. It is also used to postpone noncritical dialer reports while the AAV session is in progress. Note that zone 5 is then no longer available as a protection zone. When using the AAV, zone 5 must be assigned a zone response type (e.g., response type 10), and option 1*60 must be enabled to silence sounders on the premises.

AAV Module Operation

After all messages have been sent during a reporting session to the primary phone number, the control will trigger the AAV if at least one of the messages was an Alarm report. If Contact ID format is selected for the primary phone number, and a Cancel report code is enabled, the control will send a Listen-in to Follow" message (Event Code 606), which signals the 685 (rev. 4.6 or higher) to hold the phone connection for 1 minute.

Once triggering occurs, the control will give up the phone line to the AAV Module, without breaking connection with the central station. During the time the AAV is active, all sirens and all continuous keypad sounds in all partitions will be shut off. When the AAV indicates that the audio alarm verification session is completed, all keypad sounds will be restored. Sirens will be restored if the alarm timeout period has not expired.

As part of its fail-safe software, the control will limit all audio alarm verification sessions to 15 minutes. This is because once the session begins, the AAV Module controls the duration. If a new fire alarm should occur during a session, the control will break the phone connection and send the new Fire Alarm report, then re-trigger the AAV Mode. All other dialer messages triggered during ongoing conversation will be held until either the AAV Module signals that it is inactive, or the 15-minute timeout occurs.

The AAV Module is triggered via the use of a 4204 Relay as shown in *Figure 11-1*. The start and stop conditions for that relay must be set to choice 60, "Audio Alarm Verification" during *Output Programming* in the *#93 Menu Mode Programming* section of the *Programming Guide.*

Some AAV modules allow remote triggering by ring detection at the alarm installation. If this option is selected, it may defeat modem download and 4285/4286 VIP Module remote access capability. The DIP switch settings shown in *Figure 11-1* disable remote AAV Module trigger option. The control also requires that the AAV Module trigger type is falling edge, which is set in DIP switch settings shown.

1. 685 Receiver software must be rev. 4.6 or higher. Earlier versions will not hold the phone line connection.
2. Contact ID code for "Listen-in-to-follow" is 606. Contact ID is the only reporting format that will send a "listen-in-to-follow."

Audio Alarm Verification Module Connections

Connect the Audio Alarm Verification Module's falling edge trigger input (terminal 5 on Eagle Model 1241) to a 4204 Relay Module, as shown in *Figure 11-1*.

If also using a 4285/4286 VIP Module, be sure to follow the corresponding diagram when making connections.

Programming Audio Alarm Verification Module Options

1. With at least one 2-line alpha keypad (6139/6139R) wired and set to a proper address, temporarily apply power to the system.
2. Enter Data Field Programming Mode: [Installer Code] + **8 0 0 0.**
3. Program the following data fields:

   ***45** PRIMARY DIALER FORMAT: Set for 1 (Contact ID).

   1*60 ZONE 5/AUDIO ALARM VERIFICATION: Set for 1.

If you need more information about actual programming procedures, see The Mechanics of Programming section.

4. Zone 5 must be programmed for response type 10 and **the EOLR must be removed, regardless of whether or not EOLR resistors have been enabled in field *41.** Zone 5 is no longer available as a protection zone.
5. Program a 4204 Relay to trip on Zone Type/Sys. Op. 60 Audio Alarm Verification (see *Output Programming* in the *#93 Menu Mode Programming* section of the *Programming Guide.).*
6. Press *99 to exit Program Mode.

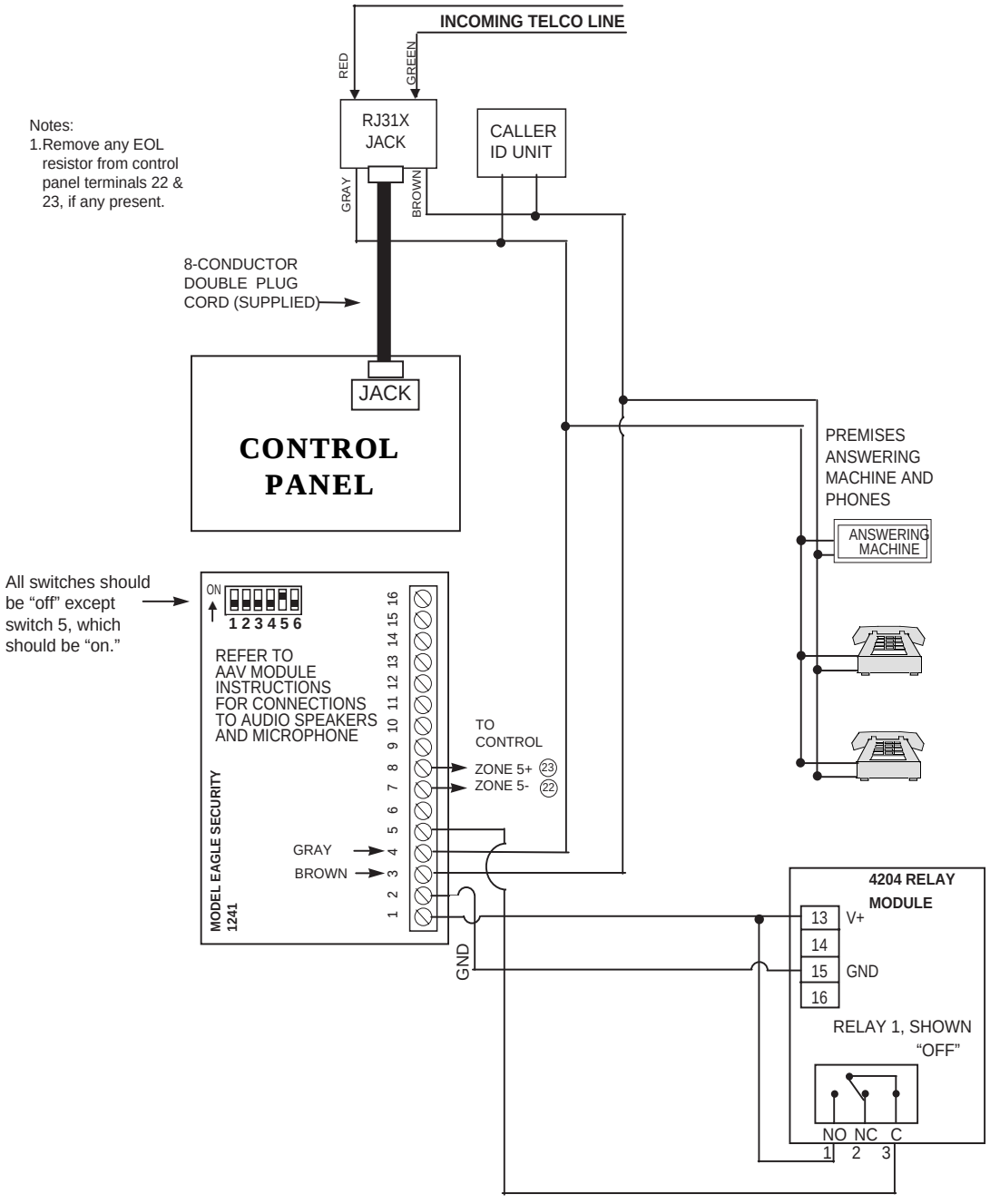

Figure 11-1: Audio Alarm Verification Module Connections

If the phone plug is disconnected at the control, the premise's phones will not operate. If a problem exists, remove the phone plug at the RJ31X to resume premises phone operation.